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(54) RARE EARTH-IRON-BORON SYSTEM RARE EARTH PERMANENT MAGNET MATERIAL

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an R-Fe-B system rare earth permanent magnet material excellent in both of high coercive force and residual magnetic flux density.

SOLUTION: This material has a compsn. composed of, by weight, 28 to 35% R (R denotes one or  $\geq$  two kinds among rare earth elements selected from Nd, Pr, Dy, Tb and Ho), 0.1 to 3.6% Co, 0.9 to 1.3% B, 0.05 to 1.0% Al, 0.02 to 0.25% Cu, 0.02 to 0.3% Zr and/or Cr, 0.03 to 0.1% C, 0.1 to 0.8% O, 0.002 to 0.02% N, and the balance Fe with inevitable impurities.

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